State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

(catalog) name change

Region: Interior

USGS Quad(s): Big Delta A5 (A4, B6)

Fish Distribution Database Number of Waterway: 334-40-11000-2490-3362 — 4022

Name of Waterway: Kiana Creek ☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #: 08-055

Revision Year: 2009

Revision to: Atlas ___ Catalog ___ Both ✓

A-3, A-2

Revision Code: ~~08-055~~

ADF&G Fisheries Scientist — Date: 10/6/08

ADNR OHMP Operations Mgr. — Date: 10/6/08

FDD Project Biologist — Date: 2/24/08

Cartographer — Date: 10/23/08

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon	20 July, 2007		3		☑
Coho Salmon	2 October, 2007	X		X	☑
					☐
					☐
					☐

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: See data sheet and map. Photos included. Add local name Kiana Cr to -3362
July 2007 - Coho salmon captured with dipnet. Other species noted on data sheet.
October 2007 aerial survey - 60 coho salmon spawning, 150 coho salmon holding. See notes on A-Y-K Salmon Escapement Observation form.

Add new lake 334-40-11000-2490-3362-4022-0010 w/ coho salmon present and rearing

Add new stream 334-40-11000-2490-3362-4022 w/ coho salmon rearing, present and spawning

Name of Observer (please print): Raymond F. Hander

Signature: Raymond F. Hander — Date: 25 Jan. 2008

Agency: U.S. Fish and Wildlife Service

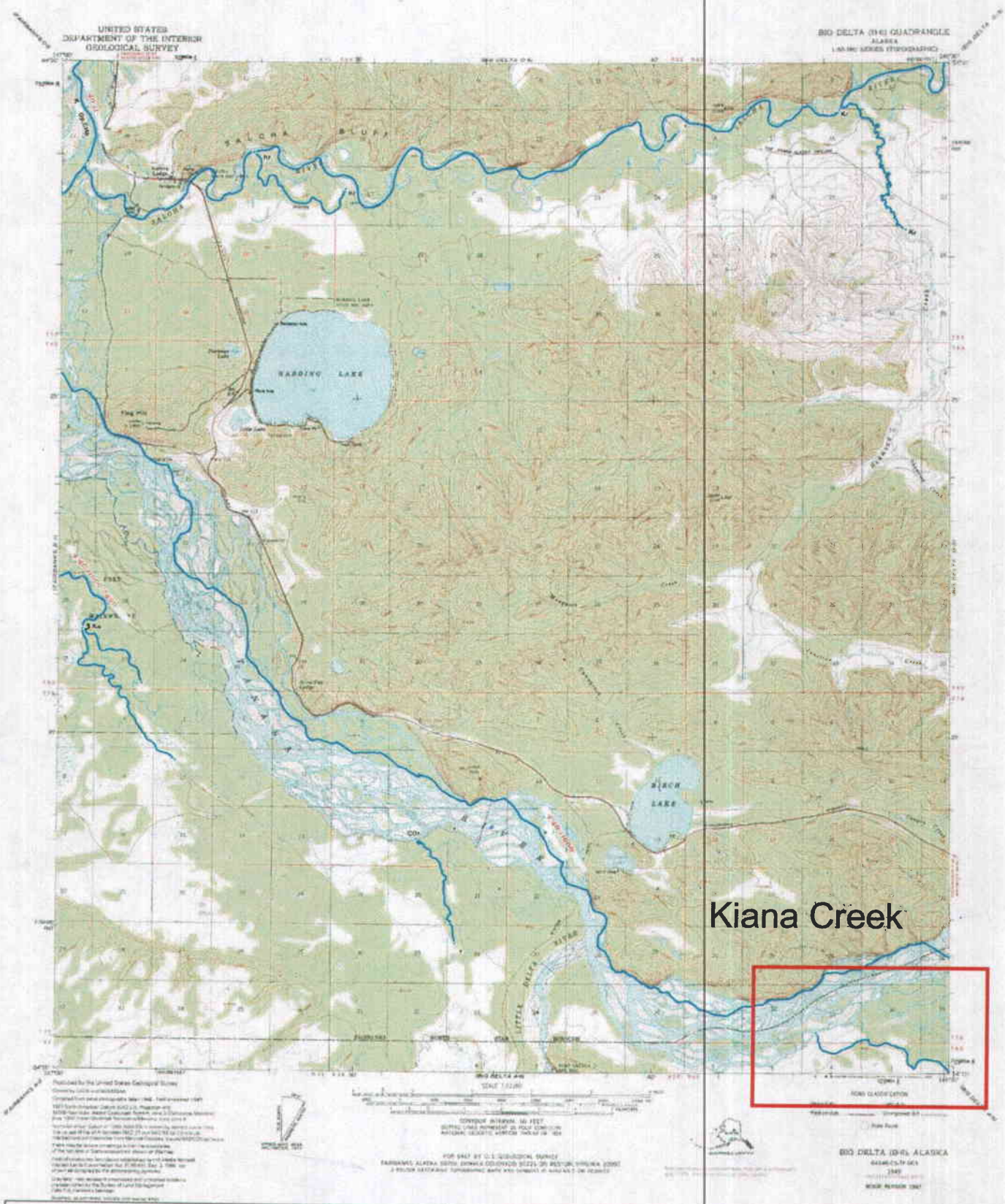
Address: 101 12th Ave, Room 110
Fairbanks, Alaska 99701

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.

Signature of Area Biologist: ______________________ Date: ________

Name of Area Biologist (please print):

Revision 02/05



- Lower/Upper Point of Stream
- Midstream Species Begin/End Point
- Short Stream (Under 660 feet)
- Lake
- Barrier
- Anadromous Streams
- Anadromous Areas
- AWC Stat Area
- Regional Boundary

Waters important to Anadromous Fish are listed pursuant to AS 41.14.870. Specified species distribution and life functions reflect known data. Actual distribution and use may extend beyond specified limits. Migration upstream and/or downstream is assumed for specified stream reaches.

SPECIES CODES

CO	coho salmon
CH	chum salmon
K	chinook salmon (king)
P	pink salmon
S	sockeye salmon
AC	Arctic char
CT	cutthroat trout
D	Dolly varden
SH	steelhead
BF	inconnu (sheefish)
W	whitefishes
O	eulachon
SM	smelts
ST	sturgeon
A	Arctic lamprey
LP	lamprey (undifferentiated)
P	Pacific lamprey
LV	river lamprey

LIFE STAGE CODES

p	Present
m	Migration
r	Rearing
s	Know Spawning

Produced by State of Alaska Department of Fish and Game

Fish Distribution Database Atlas

Quad No. 95

Big Delta
B-6

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Fairbanks Fish and Wildlife Field Office
101 12th Avenue, Room 110
Fairbanks, Alaska 99701

IN REPLY REFER TO:
Ray Hander

Memorandum

To: J. Johnson

From: Ray Hander
Fishery Biologist
Fisheries and Habitat Restoration Branch

Date: 25 January 2008

Subject: FDD Nominations

Hello J,
Please find enclosed three Fish Distribution Database nomination (FDDN) packets for Tanana River flats area inventory work that was conducted during 2007. I have contacted Audra Brase and am following her direction on routing these FDDNs to you for review. Once you have completed your review, pending any editing or additional materials needed, it is my understanding that you then forward them to Audra for her approval signature.

Please contact me with any questions or comments you have, phone – 907-456-0402 or ray_hander@fws.gov.

Thank you for the help,

Sincerely,

Raymond L Hander

Ray Hander

Tanana Flats 2007 Field Sheet: Aquatic Habitat Assessment

Project:Tanana Flats Inventory	Waterbody Name: Kiana Cr	Investigators:R. Hander, S. Simpson, R. Swisher
Date: 20 July 2007		
Sample Site Number: 07KS0011A	(Should be same as Fisheries data sheet)	

Field Conditions / Water Quality

Stream Stage
DDC: Dry, Defined Channel (Channel morphology present (e.g., bed and bank structure; substrate particle size and surficial morphology indicative of intermittent flow); however, no surface water present at time of visit.)
DNC: Dry, No Defined Channel (Channel morphology not present (e.g., no bed and bank structure; substrate particle size and surficial morphology not indicative of intermittent flow); no surface water.)
HIH: High (Channel morphology present. Water surface at ordinary high water or higher.)
LCF: Low, Continuous Surface Flow (Channel morphology present. Most or all of channel banks above water surface. Surface flow continuous.)
LDF: Low, Discontinuous Flow (Channel morphology present. Most or all of channel banks above water surface. Surface flow discontinuous.)
MED: Medium (Channel morphology present. Water level between Low and High.)
WNC: Wet, No Defined Channel (Distinct channel morphology not present; soil wet to saturated, or standing water present.)

Stream Stage: Medium

Water Color:
CLR (Clear- Transparent water, or nearly so.)
FER (Ferric- Rust- [orange] stained)
GHT (Glacial, High Turbidity- High turbidity waters (visibility ≤ 30 cm (12 in)
GLT (Glacial, Low Turbidity- Low turbidity waters (visibility > 30 cm)
HUM (Humic- Tea-colored water (tannic) MUD (Muddy- Dark water with high suspended particulate load)

Water Color: Clear

OHW Width (m)
Directly measure at a representative transect in the immediate vicinity of the station using appropriate measuring tools. The ordinary high water surface is located where the presence and action of frequent (typically < 2 y return intervals) high water events is so common and usual as to leave a natural line or mark on the bank as indicated by erosion, shelving, changes in soil characteristics, destruction of terrestrial vegetation, or other distinctive physical characteristics. Often the OHW level corresponds to the distributional limit of terrestrial riparian vegetation.

OHW Width (m): 5 (estimated)

Wetted Width (m)
Directly measure the width of the water surface at a representative transect in the immediate vicinity of the station using appropriate measuring tools.

Wetted Width (m): 5 (estimated)

Channel Depth (m): 0.70

Water Body Type: 1 Pool | **2** Run | **3** Riffle | **4** Tahlweg | **5** Eddie |

Water Body Type: 1

Substrate Composition: Wentworth Size Class Millimeters:
Cobble: 64-256
Pebble: 4-64
Granule: 2-4
Sand: .06-2
Silt: .039
Clay: less than .004

Dominant Substrate Composition: granule

Sub-dominant Substrate Composition: pebble

Air Temp (°C): 21	Water Temp (°C):4.0
Conductivity (µS/cm): N/A	

Kiana Creek

Sample Site 1

Sample Site 1

Barnhill, Carol A (DFG)

From: Ray_Hander@fws.gov
Sent: Tuesday, October 14, 2008 8:58 AM
To: Barnhill, Carol A (DFG)
Subject: Re:

Attachments: bida5test.pdf

bida5test.pdf (732 KB)

Hi Carol,
Here's the geographically correct option of the choices you lined out in your email: "In that dataset, the lake you are adding drains to a stream to the north which then drains to -3362."

It's a bit swampy in there and this region has lots of upwelling springs so things are pretty dynamic but after having been on the ground and in the air for two years now (07 and 08) we know the area and are glad to be able to help out.

Thank you and give a shout if you have any other questions. We are actually about to submit more information for this stream but it will be relevant to the fork of the creek that flows in from the south.

Ray Hander
Fairbanks Fish and Wildlife Field Office
101 12th Ave., Room 110
Fairbanks, AK 99701-6211
907.456.0402 - Desk
907.456.0454 - Fax
ray_hander@fws.gov

"Barnhill, Carol A (DFG)" <carol.barnhill@alaska.gov>

10/09/2008 02:49 PM

Ray_Hander@fws.gov

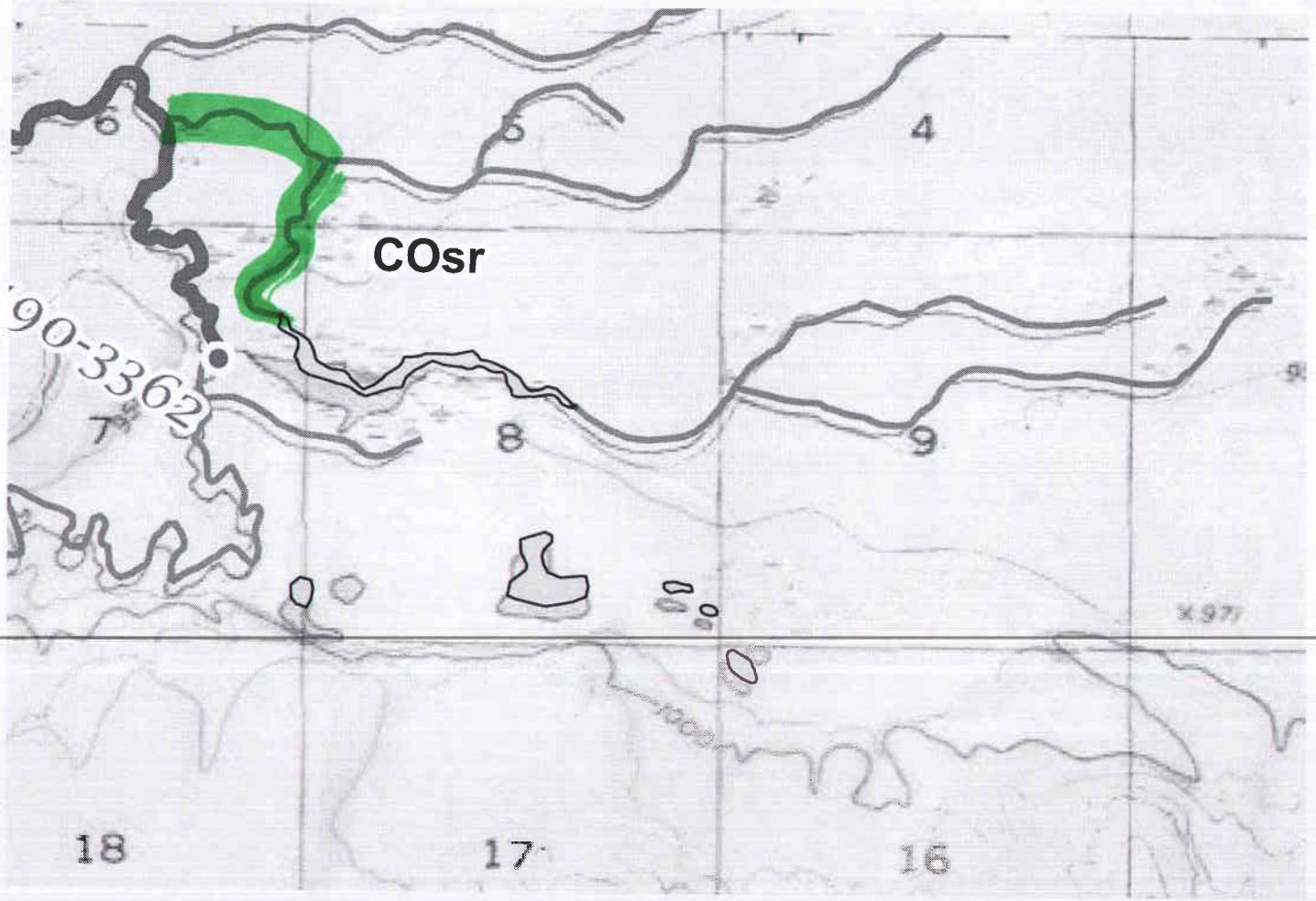
To
cc
Subject

Ray,
I am working on the new map for Big Delta A-5 for the Anadromous Waters Catalog with the data change that you sent on nomination #08-055. You wanted to add a new lake and stream #334-40-11000-2490-3362-4022 with Coho salmon. I have a hydrography layer from the National Hydrography dataset as show by the thinner blue line in the attached map. In that dataset, the lake you are adding drains to a stream to the north which then drains to -3362. The NHD data is not always correct and I wanted to see if you knew the correct

hydro. The topo base map shows the lake draining to the west into -3362. Can you tell me which way is correct or which you would prefer??

Thanks for your help.

Carol Barnhill, Cartographer
Alaska Department of Fish and Game
907-267-2298
(See attached file: bida5test.pdf)


COsr
90-3362
6
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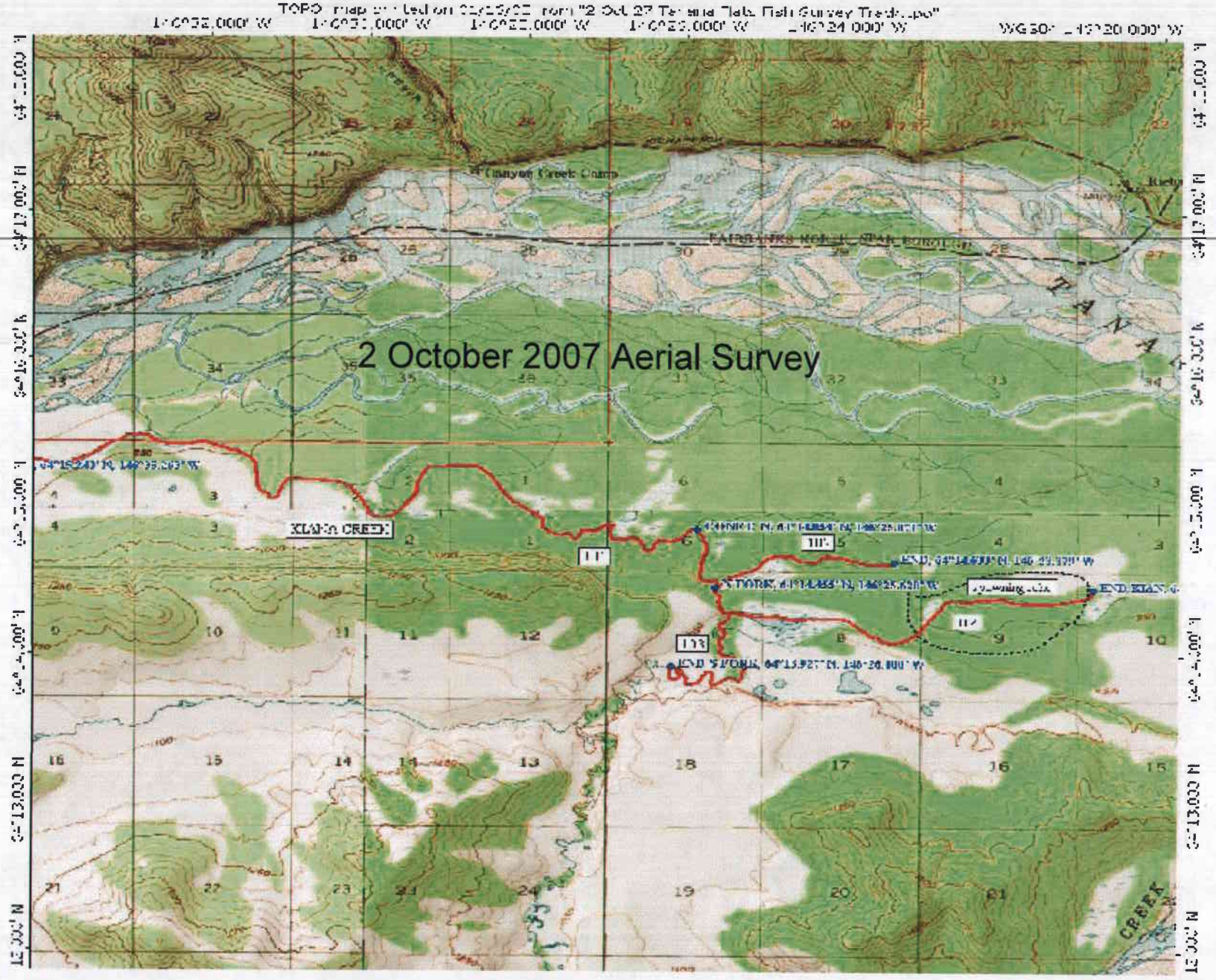
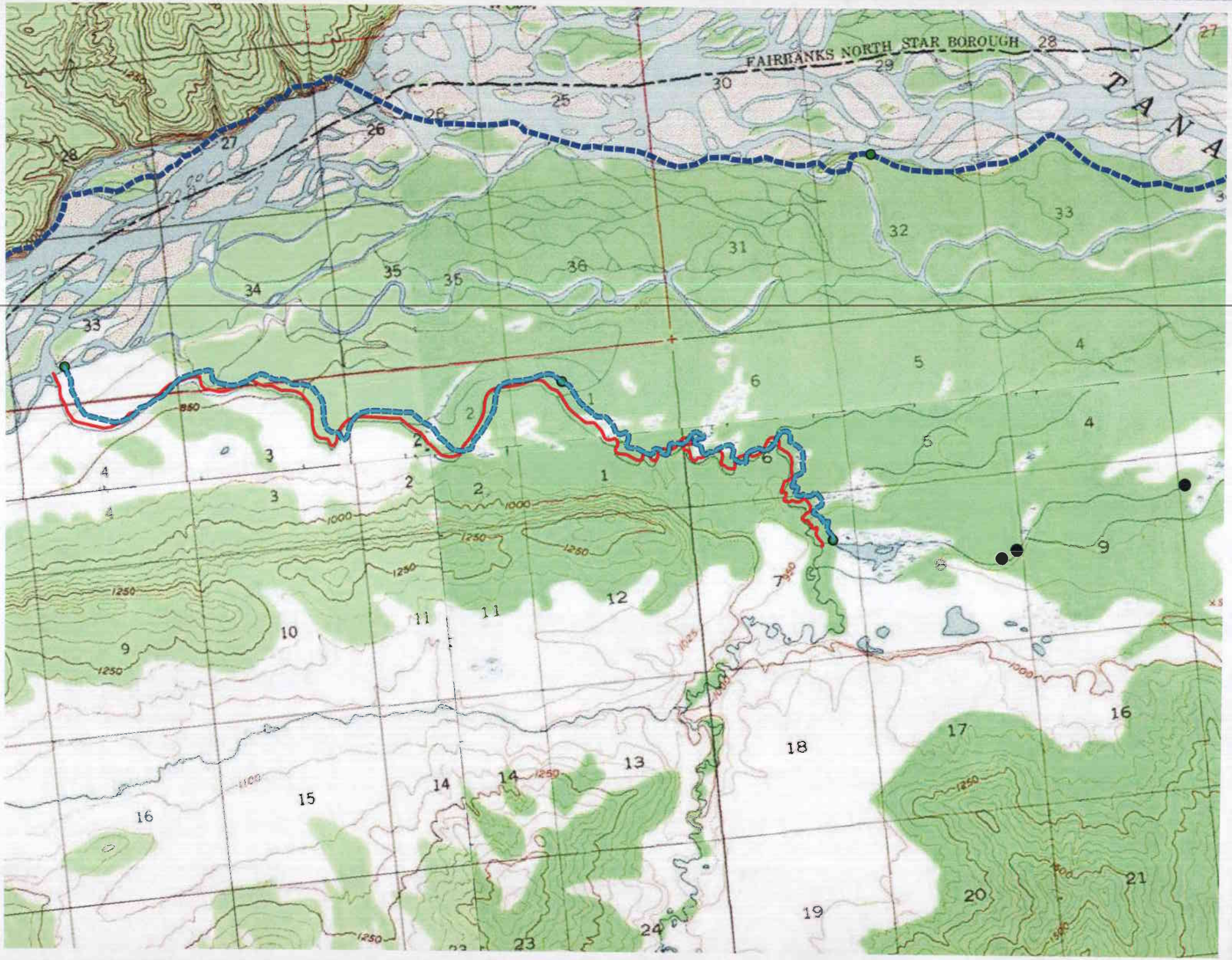
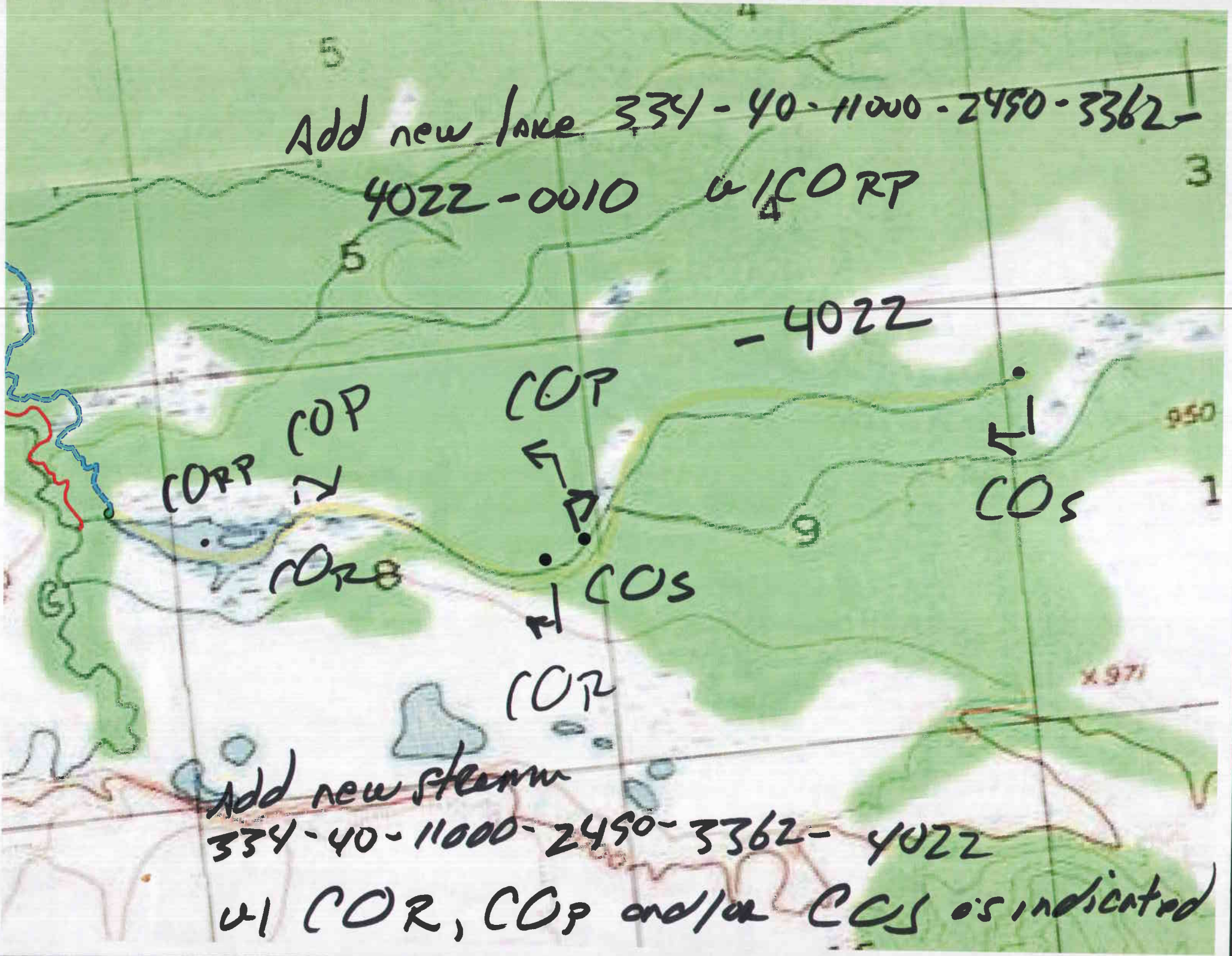
16

Kiana Cr., Quads Big Delta A-4 and A-5




FAIRBANKS NORTH STAR BOROUGH
TANANA


Add new lake 334-40-11000-2450-3362-
4022-0010 w/ COR
-4022
COR
COP
COP
COP
COR
COS
COS
COR
Add new stream
334-40-11000-2450-3362-4022
w/ COR, COP and/or COS as indicated